propa®Steel

The thin strenght

Propasteel is a coextruded plastic film made from special resins that render it particularly resistant to punctures and tears. An extremely high level of resistance on corners and along edges, make **Propasteel** the right product for packaging tubes and coils, also on automatic winding machines. Moreover, apart from mechanically protecting metals, Propasteel can safeguard against corrosion when treated with **Propack VCI** system, which is particularly important for a wide range of metals.

Compared to traditional metal packaging materials, **Propasteel** is a highly innovative product. Unlike its old counterparts it is, for example, 100% recyclable and can be easily welded, it means that packages can be air-tightly sealed when necessary.

Propasteel is in fact economically very convenient thanks to its limited thickness, which still ensures an extremely high level of resistance and, if compared to traditional packaging material, prices per square metre are highly competitive. **Propasteel** therefore guarantees a much higher rate of productivity per kg compared to other products on the market.

*PROPACK VCI (Volatile Corrosion Inhibitor - Inhibidor de Corrosión Volátil)

Advantages:

- Easy to use
- It can be used to package rolls, tubes and steel or metal forms
- It can be used manually or automatically
- Low permeability
- Resistant. Especially for corners or edges
- High efficiency with low cost
- 100% recyclable

Developed in close collaboration with our high-valued customers, this breakthrough packaging material has been studied to put an end to the age-old problems of steel and metal packaging.

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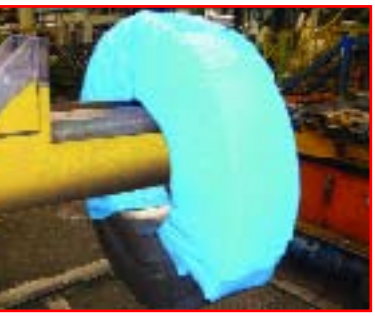

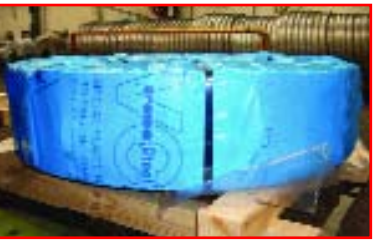

Like most steel packaging materials, **Propasteel** is blue but, for large batch orders, it can be manufactured in alternative colours and it can also be personalized, including the trademark of the user alongside the **Propasteel** one.

Propasteel is usually supplied on reels but, if required, it can be shipped in sheets, sacks or caps with bellow. Band widths can extend 10 metres, which was truly unthinkable with old packaging solutions.

Characteristic data:

Test	U.M.	Method	Value
Density	g/cm²	ASTM D1505	0.931 (0.929÷0.933)
Width	mm	in-house by comparison	Nominal -0+2%
Thickness	µ	ISO 4593	Nominal ± 10%
Ultimate strength lengthways (MD)	N/mm²	ASTM D882	33
Ultimate strength crossways (TD)	N/mm²	ASTM D882	30
Ultimate elongation (MD)	%	ASTM D882	350
Ultimate elongation (TD)	%	ASTM D882	450
Humidity barrier	G/mq*24h	ASTM E 96-66	2.8 ± 0.2
Fire point	°C	/	>350

Standard packing:

Thickness (my)	Height (cm)	m² reel	Reel length (lm)
80	Single-fold 75 Open 150	300 ± 10%	200
80	Single-fold 120 Open 240	480 ± 10%	200

Reels of different height, weight and thickness than those indicated above may be produced on request.

Minimum height cm 10

Maximum height for single-fold cm 1.000
Maximum height for flat product cm 400.

Minimum Thickness my 80

Maximum Thickness my 215
For thickness of my 215 the maximum height is cm 800 for multi-fold and cm 400 for flat product.

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